

Table 1C-3

INDUCED BODY CURRENT MEASUREMENTS
DIVIDED BY RF EXPOSURE

	SHOES & SOCKS		BARE FEET	
	HANDS AT SIDE	HANDS OVER HEAD	HANDS AT SIDE	HANDS OVER HEAD
2 Feet On Meter	.022 mA/V/m	.032 mA/V/m	.041 mA/V/m	.063 mA/V/m
1 Foot On Meter	.016 mA/V/m	.027 mA/V/m	.042 mA/V/m	.067 mA/V/m

HIGH ISLAND

Measurement Locations:

1d: In Front of WCBS-AM Main Transmitter

Table 1D-1

EXPOSURE MEASUREMENT
 LOCATION: HIGH ISLAND
 IN FRONT OF WCBS-AM MAIN TRANSMITTER

HEIGHT (in feet)	EXPOSURE (V^2/m^2)
0.5	200
1.0	300
1.5	300
2.0	300
2.5	300
3.0	300
3.5	500
4.0	1,500
4.5	9,500
5.0	20,000
5.5	3,500
6.0	<u>500</u>
AVERAGE	3,100 V^2/m^2
EQUIVALENT TO	56 V/m

Table 1D-2

INDUCED BODY CURRENT MEASUREMENTS
 LOCATION:
 IN FRONT OF WCBS-AM MAIN TRANSMITTER
 (RF FIELD = 56 VOLTS PER METER)

	WEARING SHOES & SOCKS		BARE FEET	
	HANDS AT SIDE	HANDS OVER HEAD	HANDS AT SIDE	HANDS OVER HEAD
Both Feet On Meter	1.2 mA	.75 mA	3.65 mA	3.2 mA
One Foot On Meter	.9 mA	.7 mA	4.4 mA	3.5 mA

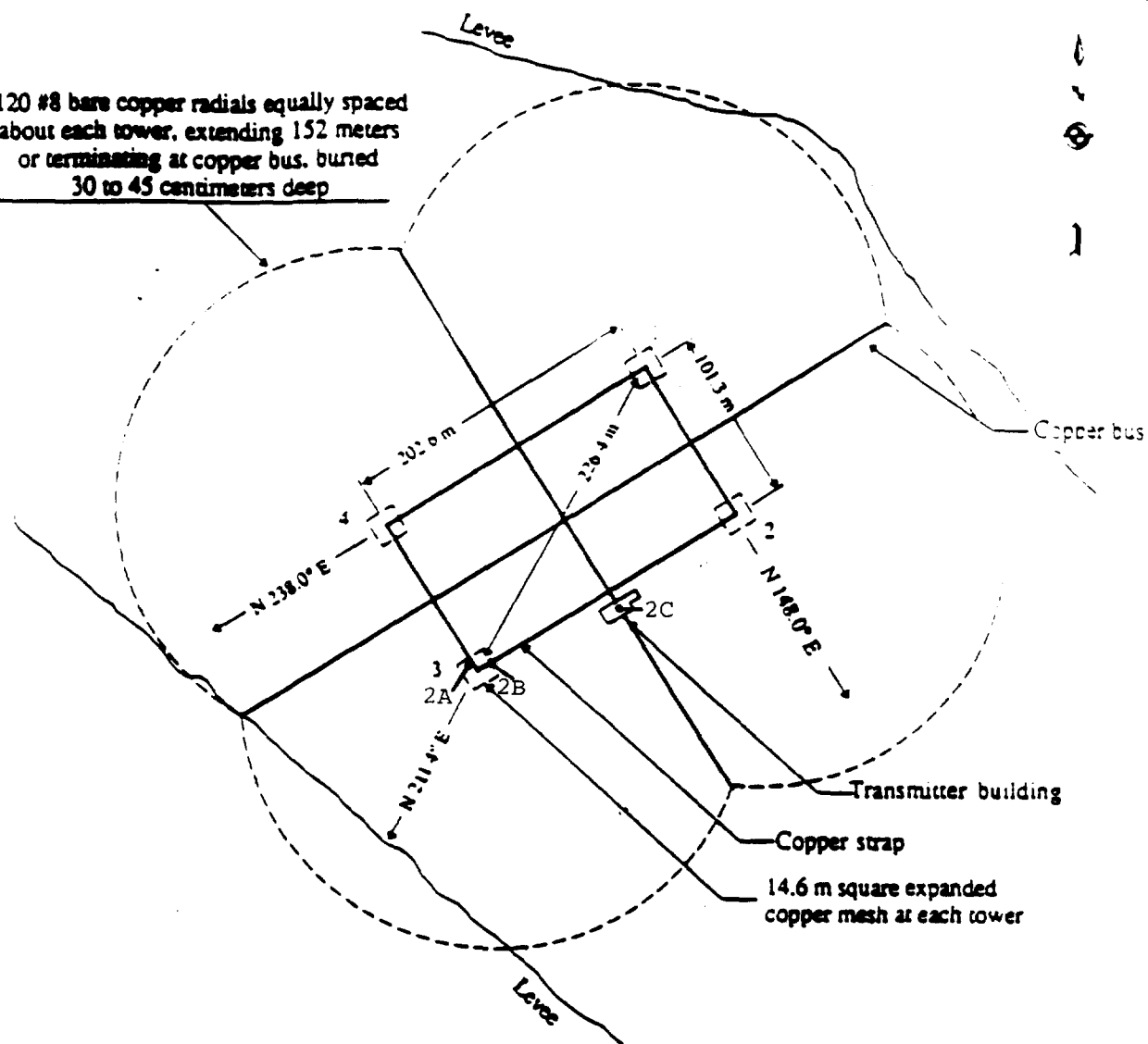
Table 1D-3

INDUCED BODY CURRENT MEASUREMENTS
DIVIDED BY RF EXPOSURE

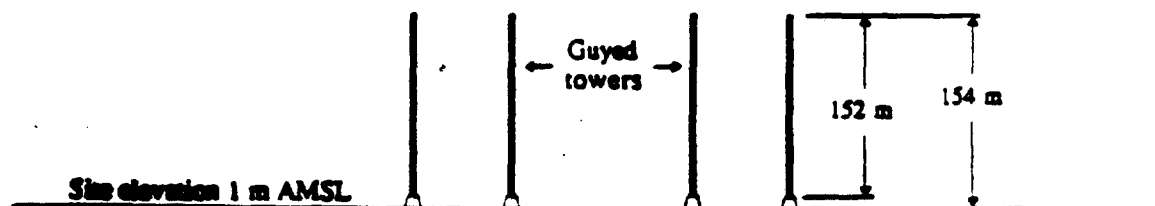
	SHOES & SOCKS		BARE FEET	
	HANDS AT SIDE	HANDS OVER HEAD	HANDS AT SIDE	HANDS OVER HEAD
2 Feet On Meter	.021 mA/V/m	.013 mA/V/m	.065 mA/V/m	.057 mA/V/m
1 Foot On Meter	.016 mA/V/m	.013 mA/V/m	.079 mA/V/m	.063 mA/V/m

SITE 2: KCBS (AM)

120 #8 bare copper radials equally spaced about each tower, extending 152 meters or terminating at copper bus, buried 30 to 45 centimeters deep



PLAT & GROUND SYSTEM



North Latitude 38° 08' 23"
West Longitude 122° 31' 45"

ANTENNA ELEVATION

TOWERS ARE PAINTED AND LIGHTED
AS REQUIRED BY FAA

HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
SAN FRANCISCO

RADIO STATION KCBS
740 KHZ. 50 KW. DA-2
SAN FRANCISCO, CALIFORNIA 9410403

ANTENNA SYSTEM

**LIST OF
TRANSMITTING FACILITIES

AT

NOVATO**

CALL SIGN

FREQUENCY

POWER-DIRECTIONALITY

KCBS (AM)

740 kHz

50 kw DA-2

KCBS (AM)

Measurement Locations:

2a: Base of KCBS (AM) Tower #3

Table 2A-1

EXPOSURE MEASUREMENT
LOCATION: NOVATO, CA
BASE OF KCBS (AM) TOWER # 3

HEIGHT (in feet)	EXPOSURE (V^2/m^2)
0.5	10,000
1.0	6,500
1.5	10,000
2.0	20,000
2.5	32,000
3.0	85,000
3.5	97,000
4.0	130,000
4.5	180,000
5.0	250,000
5.5	330,000
6.0	<u>460,000</u>
AVERAGE	134,208 V^2/m^2
EQUIVALENT TO	366 V/m

Table 2A-2

INDUCED BODY CURRENT MEASUREMENTS

LOCATION:

BASE OF KCBS (AM) TOWN #3

(RF FIELD = 366 VOLTS PER METER)

	WEARING SHOES & SOCKS		BARE FEET	
	HANDS AT SIDE	HANDS OVER HEAD	HANDS AT SIDE	HANDS OVER HEAD
Both Feet On Meter	13 mA	20 mA	36 mA	56 mA
One Foot On Meter	8 mA	16 mA	38 mA	57 mA

Table 2A-3

INDUCED BODY CURRENT MEASUREMENTS
DIVIDED BY RF EXPOSURE

	SHOES & SOCKS		BARE FEET	
	HANDS AT SIDE	HANDS OVER HEAD	HANDS AT SIDE	HANDS OVER HEAD
2 Feet On Meter	.036 mA/V/m	.055 mA/V/m	.098 mA/V/m	.153 mA/V/m
1 Foot On Meter	.022 mA/V/m	.044 mA/V/m	.104 mA/V/m	.156 mA/V/m

KCBS (AM)

Measurement Locations:

2b: Inside Tower #3 Doghouse

Table 2B-1

EXPOSURE MEASUREMENT

LOCATION:

KCBS (AM) INSIDE TOWER #3 DOG HOUSE

HEIGHT (in feet)	EXPOSURE (V^2/m^2)
0.5	2,000
1.0	5,000
1.5	20,000
2.0	100,000
2.5	500,000
3.0	1,800,000
3.5	1,500,000
4.0	1,500,000
4.5	1,300,000
5.0	600,000
5.5	350,000
6.0	<u>150,000</u>
AVERAGE	652,292 V^2/m^2
EQUIVALENT TO	808 V/m

Table 2B-2

INDUCED BODY CURRENT MEASUREMENTS

LOCATION:

KCBS (AM) TOWER #3 DOG HOUSE
(RF FIELD = 808 VOLTS PER METER)

	WEARING SHOES & SOCKS		BARE FEET	
	HANDS AT SIDE	HANDS OVER HEAD	HANDS AT SIDE	HANDS OVER HEAD
Both Feet On Meter	16 mA	15.5 mA	55 mA	58 mA
One Foot On Meter	10.5 mA	9 mA	53 mA	49 mA

Table 2B-3

INDUCED BODY CURRENT MEASUREMENTS
DIVIDED BY RF EXPOSURE

	SHOES & SOCKS		BARE FEET	
	HANDS AT SIDE	HANDS OVER HEAD	HANDS AT SIDE	HANDS OVER HEAD
2 Feet On Meter	.020 mA/V/m	.019 mA/V/m	.068 mA/V/m	.072 mA/V/m
1 Foot On Meter	.013 mA/V/m	.011 mA/V/m	.066 mA/V/m	.061 mA/V/m

KCBS (AM)

Measurement Locations:

2c: In Front of KCBS Phasor

Table 2C-1

EXPOSURE MEASUREMENT
LOCATION:
IN FRONT OF KCBS PHASOR

HEIGHT (in feet)	EXPOSURE (V^2/m^2)
0.5	20,000
1.0	35,000
1.5	30,000
2.0	30,000
2.5	18,000
3.0	9,500
3.5	6,000
4.0	4,500
4.5	2,500
5.0	2,500
5.5	1,000
6.0	<u>500</u>
AVERAGE	13,292 V^2/m^2
EQUIVALENT TO	115.3 V/m

Table 2C-2

INDUCED BODY CURRENT MEASUREMENTS
 LOCATION: IN FRONT OF KCBS PHASOR
 (RF FIELD = 115.3 VOLTS PER METER)

	WEARING SHOES & SOCKS		BARE FEET	
	HANDS AT SIDE	HANDS OVER HEAD	HANDS AT SIDE	HANDS OVER HEAD
Both Feet On Meter	30 mA	27 mA	80 mA	80 mA
One Foot On Meter	23 mA	21 mA	90 mA	80 mA

Table 2C-3

INDUCED BODY CURRENT MEASUREMENTS
DIVIDED BY RF EXPOSURE

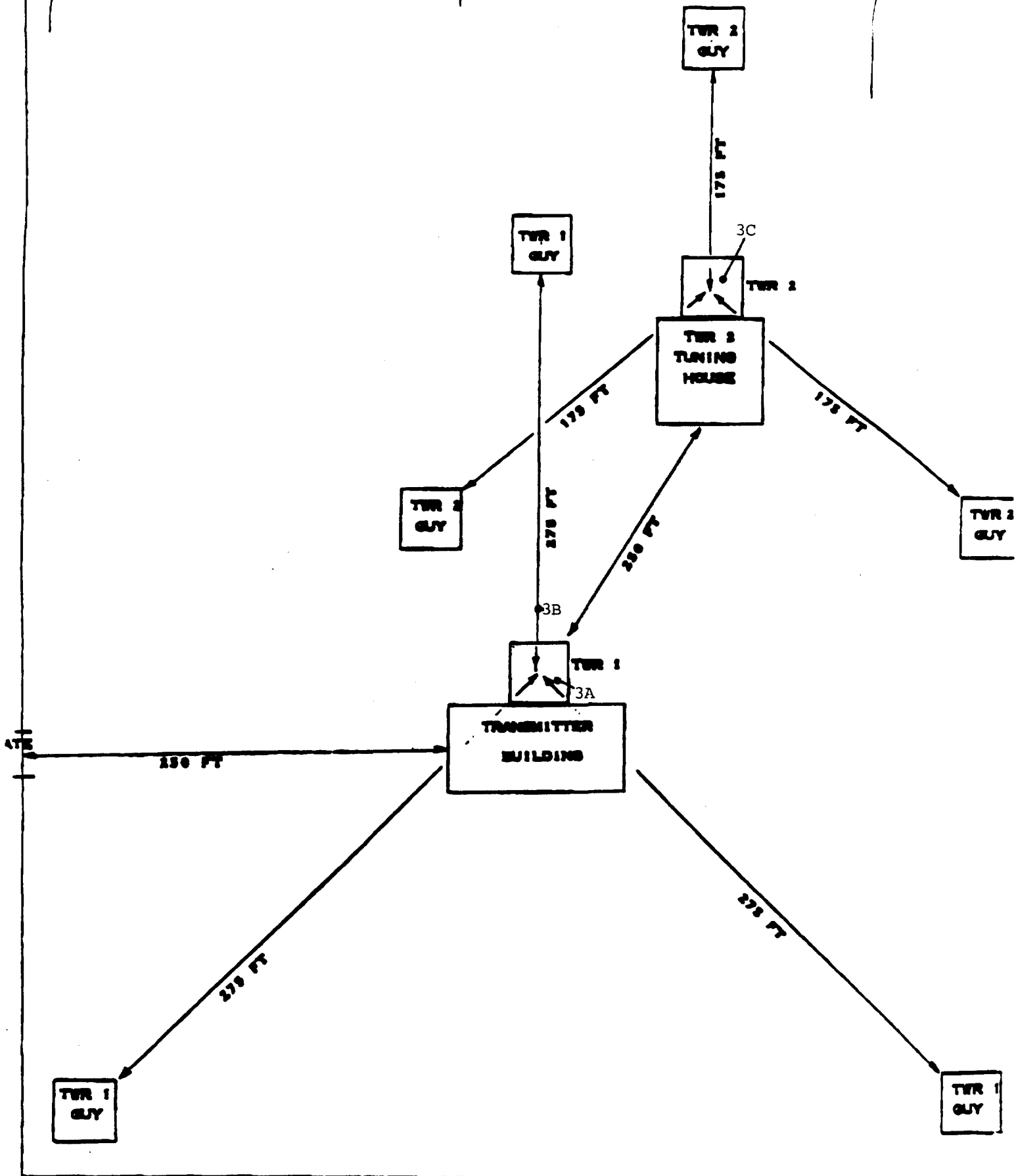
	SHOES & SOCKS		BARE FEET	
	HANDS AT SIDE	HANDS OVER HEAD	HANDS AT SIDE	HANDS OVER HEAD
2 Feet On Meter	.260 mA/V/m	.234 mA/V/m	.694 mA/V/m	.694 mA/V/m
1 Foot On Meter	.199 mA/V/m	.182 mA/V/m	.781 mA/V/m	.694 mA/V/m

SITE 3: KNX (AM)

SOCCER FIELD



BASEBALL
DIAMOND



**LIST OF
TRANSMITTING FACILITIES

AT

TORRANCE**

CALL SIGN

KNX (AM)

FREQUENCY

1070 kHz

POWER-DIRECTIONALITY

50 kw non-directional

KNX (AM)

Measurement Locations:

3a: Base of KNX (AM) Main Tower

Table 3A-1

EXPOSURE MEASUREMENT
LOCATION:
BASE OF KNX (AM) MAIN TOWER

HEIGHT (in feet)	EXPOSURE (V^2/m^2)
0.5	55,000
1.0	72,000
1.5	130,000
2.0	230,000
2.5	400,000
3.0	720,000
3.5	2,000,000
4.0	3,000,000
4.5	6,000,000
5.0	3,000,000
5.5	3,600,000
6.0	<u>4,500,000</u>
AVERAGE	1,975,583 V^2/m^2
EQUIVALENT TO	1,406 V/m